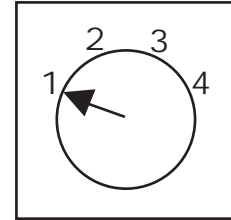




## Extended Wiring Harness with Metri-Pack® Connectors (5-Pin) for Remote-Mounted Commercial Regulators Installation Instructions

1. When required, install adapter plate CEN Part No. A9-490 at remote location as indicated by bus manufacturer.
2. Before installing regulator, make sure setpoint switch on back of regulator is set for appropriate battery type. See Table 1 and Figure 1. Then install regulator on adapter plate.

Table 1 – Voltage Select Switch Position		
4 Voltage Setpoints (Fig. 1)		Battery Type
Position 1	27.5 V	Maintenance
Position 2	28.0 V	Maintenance-Free
Position 3	28.5 V	Maintenance-Free
Position 4	29.0 V	Battery Isolator setpoint



Note: On Group 31 batteries, if boiling or excessive gassing occurs with high voltage setpoint (position 3), change to medium voltage setpoint (position 2).

Figure 1 – 4 Voltage Setpoints

3. Connect extended wiring harness between regulator and alternator. Make sure harness plugs are securely connected to regulator and alternator sockets.
4. When connecting orange REG/IGN wire and red NO-CHARGE wire from vehicle harness into mating 2-pin connector, crimp and solder the connections and make sure pins are secured tightly in connector body.
5. Connect green wire to regulator IGN terminal and white wire to regulator D+ terminal.
6. Using cable ties every 12-14 inches, securely support wiring harness between alternator and regulator.

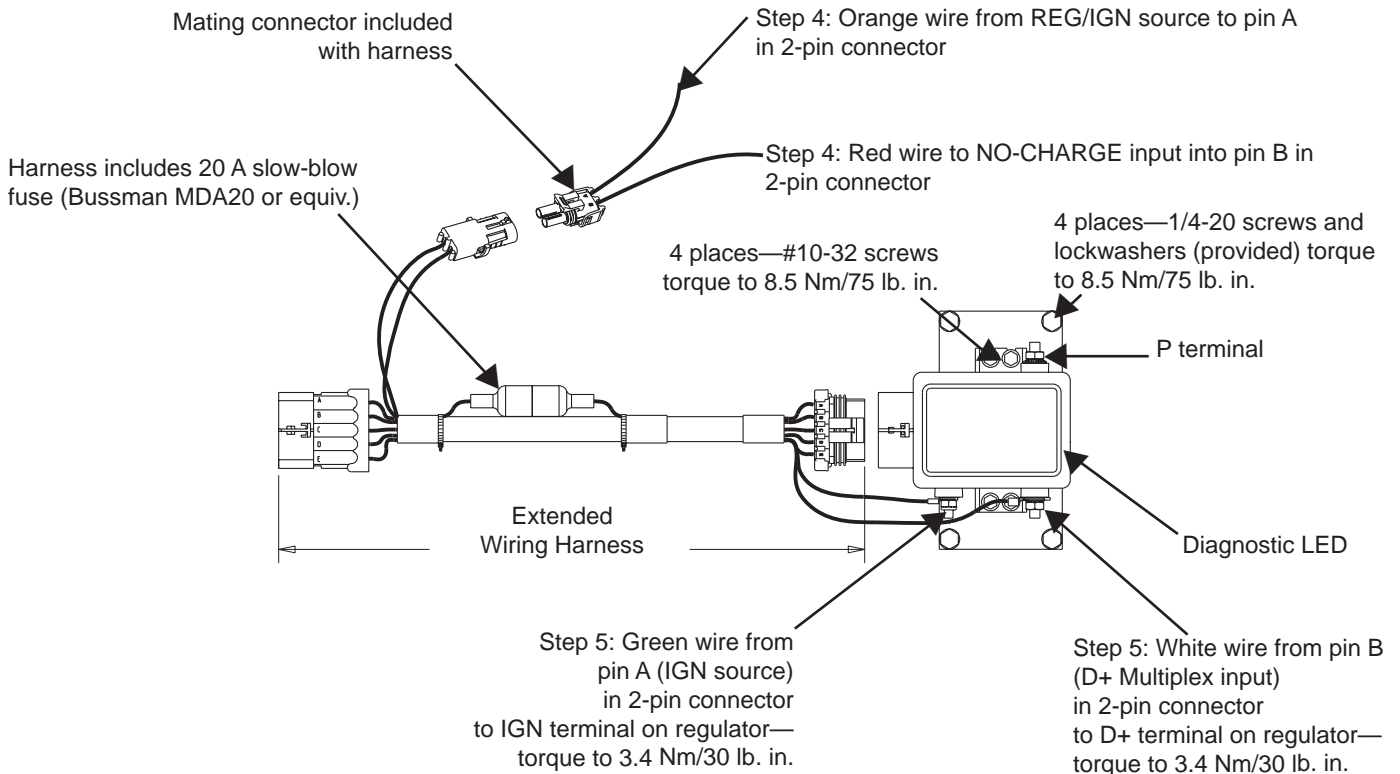


Figure 2 – Remote-Mounted Commercial Regulator with Extended Alternator Wiring Harness